

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/03934

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H02K5/04 F02B37/10 F02C6/12 F04D25/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02K F02B F02C F04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 253 031 A (FRISTER MANFRED) 24 February 1981 (1981-02-24)	1-7, 14, 19-21
Y	column 3, line 1 -column 4, line 31; figure 1	8, 9
A		10-13, 15-18
X	WO 02 23047 A (HONEYWELL INT INC) 21 March 2002 (2002-03-21)	1-5, 14, 15, 19, 21
A	page 3, line 6 -page 4, line 16; figure 1	7
X	EP 0 388 147 A (HITACHI LTD ;HITACHI AUTOMOTIVE ENG (JP)) 19 September 1990 (1990-09-19)	1-3, 9, 14, 19-21
A	page 10, line 41 -page 11, line 7; figure 20	4-7, 16, 18
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

11 August 2003

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X	GB 2 335 710 A (AISIN SEIKI) 29 September 1999 (1999-09-29) page 4, paragraph 2	1,2,9, 14,19-21
A	page 8, paragraph 2; figure 1	5-7, 16-18
X	EP 0 420 666 A (ISUZU MOTORS LTD) 3 April 1991 (1991-04-03) column 2, line 50 -column 3, line 37; figure 1	1,14, 19-21
X	EP 0 304 259 A (ISUZU MOTORS LTD) 22 February 1989 (1989-02-22) column 4, line 20 -column 5, line 40; figure 2	1,9,14, 19,21
X	DE 195 18 317 A (RECKERTH HUGO ;HUBER GERHARD DR ING (DE)) 21 November 1996 (1996-11-21)	1,9,14, 19,21
Y	column 10, line 20 - line 68; figure 2	8,9

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Information on patent family members

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